

Converting Colors

CIELCh(64, 72.896, 117.931)

Have a look what the booklet for
CIELCh(64, 72.896, 117.931)
contains.

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Color

CIELCh(64, 72.851, 117.869)

Conversions

Conversions Part 1

Format	Color
Hex	7EA90A
RGB	126, 169, 10
RGB Percent	49%, 66%, 4%
CMY	0.5062, 0.3375, 0.9614
CMYK	0.25, 0.00, 0.94, 0.34
HSL	76°, 89%, 35%
HSV	76°, 94%, 66%
XYZ	22.8223, 32.8017, 5.4107
YIQ	138.0170, 25.4110, -58.5650

Conversions

Conversions Part 2

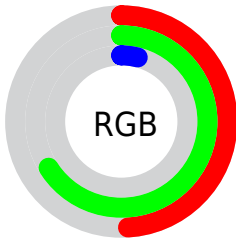
Format	Color
RYB	10, 169, 53
Decimal	8300810
CIELab	64.00, -34.05, 64.40
CIELCh	64, 72.851, 117.869
Yxy	32.8017, 0.3739, 0.5374
Android (android.graphics.Color)	4286490890 (0xFF7EA90A)
YUV	138.0170, -63.1124, -10.5389
Hunter-Lab	57.2727, -29.0978, 34.4897

Details

The CIELCh color **64, 72.851, 117.869** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **23, 92.730, 307.937**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 72.444, 117.730**, and **44, 58.926, 123.416** is the 20% darker color. If you saturate the color by 10%, you get **64, 74.390, 118.323**, and if you desaturate by 10%, it is **64, 69.332, 117.274**.

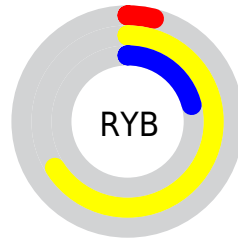
Distribution



Red (49%)

Green (66%)

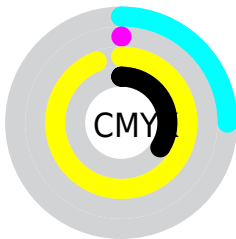
Blue (4%)



Red (4%)

Yellow (66%)

Blue (21%)

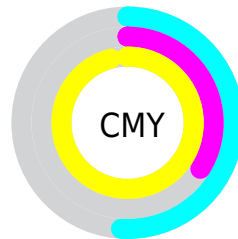


Cyan (25%)

Magenta (0%)

Yellow (94%)

Black (34%)



Cyan (51%)

Magenta (34%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 72.851, 117.869 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 64, 72.851, 117.869 by changing the saturation by 10% instead.

 64, 72.851,
117.869

 64, 72.851,
117.869

 100, 72.851,
117.869

 54, 72.851,
117.869

 84, 72.851,
117.869

 44, 72.851,
117.869

 94, 72.851,
117.869

 34, 72.851,
117.869

 24, 72.851,
117.869

 14, 72.851,
117.869

 4, 72.851, 117.869

 0, 72.851, 117.869

■ 64, 72.851,
117.869

■ 64, 72.851,
117.869

■ 64, 74.390,
118.323

■ 64, 69.332,
117.274

■ 65, 64.014,
117.091

■ 65, 57.236,
117.226

■ 66, 49.411,
117.581

■ 66, 40.893,
118.071

■ 67, 31.937,
118.637

■ 67, 22.719,
119.238

■ 68, 13.358,

119.845

■ 69, 3.931, 120.447

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64, 72.851, 117.869



23, 92.730, 307.937

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 72.851, 117.869



64, 72.851, 167.869



64, 72.851, 297.869



64, 72.851, 347.869

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64, 72.851, 117.871



85, 32.473, 118.975



39, 66.653, 46.169



45, 22.328, 118.727



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64, 72.851, 117.871



81, 90.491, 118.566



61, 83.950, 133.967



35, 5.319, 120.140



56, 67.410, 118.176



6, 9.847, 123.381

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23, 92.730, 307.937



30, 116.595, 307.868



34, 85.251, 319.866



33, 5.420, 301.249



18, 86.761, 308.112



1, 9.701, 299.246

Previews

White Background



This preview shows how the CIELCh color 64, 72.851, 117.869 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 72.851, 117.869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 72.851, 117.869

Background



This preview shows how black text looks on a background with the CIELCh color 64, 72.851, 117.869.



This preview shows how white text looks on a background with the CIELCh color 64, 72.851, 117.869.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
64, 72.851, 117.869

Protanopia
64, 67.439, 95.335

Deuteranopia
64, 62.439, 82.543



Tritanopia
64, 9.135, 251.859

Trichromacy



Original Color
64, 72.851, 117.869

Protanomaly
64, 67.874, 104.065

Deuteranomaly
63, 63.183, 96.973

Tritanomaly
63, 28.852, 128.044

Monochromacy



Original Color
64, 72.851, 117.869

Achromatopsia
57, 0.007, 296.813

Achromatomaly
59, 32.654, 117.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 72.851, 117.869 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(126, 169, 10)` looks like.

```
.text, #text, p{  
    color:rgb(126, 169, 10)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(126, 169, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 169, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 72.851, 117.869 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 169, 10) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(126, 169, 10) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(126, 169, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 169, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 169, 10);  
box-shadow:4px 4px 4px 4px rgb(126, 169,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 72.851, 117.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 169, 10) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(126,  
169, 10) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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